

JCO4 Rec'd PCT/PTO 03 NOV 2005

DANN DORFMAN HERRELL AND SKILLMAN, P.C.

1601 Market Street, Suite 2400
Philadelphia, Pennsylvania 19103-2307
Telephone: (215) 563-4100
Facsimile: (215) 563-4044

**CERTIFICATE OF MAILING
BY EXPRESS MAIL UNDER 37 C.F.R. \$1.10**

NUMBER OF EXPRESS MAIL MAILING LABEL: EL997339743US
DATE OF DEPOSIT WITH POSTAL SERVICE: November 3, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. \$1.10 on the date indicated above, and is addressed to the COMMISSIONER OF PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450.

Caren Burgoon
Typed Name of Person Mailing Paper or Fee

Caren Burgoon
Signature of Person Mailing Paper or Fee

Re: U.S. Patent Application No. 10/537,258
(National Phase of International
Patent Application No. PCT/GB2003/005239
Entitled: FISH DISEASE MODELS AND USES THEREOF
International Filing Date: 1 December 2003
Earliest Claimed Priority Date: 2 December 2002
Our File No. 0380-P03627US0

Enclosures:

- Transmittal Letter to the DO/EO/US Concerning a Filing Under 35 U.S.C. §371 (in duplicate)
- Copy of Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US)
- Declaration, Power of Attorney and Power to Inspect
- Check in the amount of \$130
- Postcard

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

Date of Mailing:
03 November 2005

Attorney's Pocket No.
0380 03627US0

U.S. Application No. (If Known)
10/537,258

Express Mail Label No.:
EL997339743US

Int'l Application No.
PCT/GB2003/005239

Int'l Filing Date
1 December 2003

Priority Date Claimed
2 December 2002

TITLE OF INVENTION
Fish Disease Models and Uses Thereof

Applicant(s) for DO/EO/US
GOLDSMITH, Paul; FLEMING, Angeleen, Louise; RICHARDS, Andrew, John, McGlashan; JONES, Derek, Thomas, Edward; HARRIS, William, Anthony

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

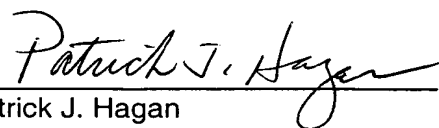
Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
 - Copy of Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (D/O/EO/US)
 - Certificate of Mailing by Express Mail Under 37 C.F.R. §1.10
 - Check in the amount of \$130
 - Postcard

| | | | | | |
|---|--------------|--|---------|-------------------------------|-----|
| U.S. Application No. 10/537,258 | | International Application No. PCT/GB2003/005239 | | Docket No. 0380-P03627US00 | |
| The following fees are submitted: | | | | | |
| 21. <input type="checkbox"/> BASIC NATIONAL FEE | | | | \$300 | \$0 |
| 22. <input type="checkbox"/> Examination Fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) | | | | \$100 | \$0 |
| All other situations | | | | \$200 | |
| 23. <input type="checkbox"/> Search Fee Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as a International Searching Authority. | | | | \$100 | |
| International Search Report prepared by International Search Authority other than USPTO, but provided to Office by Applicant(s) | | | | \$400 | \$0 |
| All other situations | | | | \$500 | |
| Total of 21, 22, 23 | | | | | \$0 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program filed in an electronic medium). Total Sheets Extra Sheets No. of each add'l 50 (round up to whole number) -100 = /50 = x \$250 | | | | | \$0 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date | | | | \$130 | |
| Claims | Number Filed | Number Extra | Rate | | |
| Total Claims | -20 | = 0 | 50 | \$0 | |
| Independent Claims | -3 | = 0 | 200 | \$0 | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360 | | |
| TOTAL OF ABOVE CALCULATIONS | | | | \$130 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½ | | | | | |
| SUBTOTAL = | | | | \$130 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)) | | | | \$0 | |
| TOTAL NATIONAL FEE = | | | | \$130 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property | | | | \$0 | |
| TOTAL FEES ENCLOSED = | | | | \$130 | |

- a. ☒ A check in the amount of \$130 to cover the above fees is enclosed
- b. ☐ Please surcharge Deposit Account No. 04-1406 in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit
any overpayment to Deposit Account No. 04-1406. A duplicate copy of this sheet is enclosed.

SEND ALL CORRESPONDENCE TO: **CUSTOMER NUMBER 000110** to the attention of the individual listed below.


Patrick J. Hagan
Registration No. 27,643

11/09/2005 GFREY1 00000056 10537258

01 FC:1617

130.00 OP



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

| | | |
|-----------------------------|-----------------------|------------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 10/537,258 | Paul Goldsmith | 0380-P03627US0 |

| |
|-------------------------------|
| INTERNATIONAL APPLICATION NO. |
|-------------------------------|

PCT/GB03/05239

000110
 DANN, DORFMAN, HERRELL & SKILLMAN
 1601 MARKET STREET
 SUITE 2400
 PHILADELPHIA, PA 19103-2307

| | |
|------------------|---------------|
| I.A. FILING DATE | PRIORITY DATE |
| 12/01/2003 | 12/02/2002 |

CONFIRMATION NO. 1424

371 FORMALITIES LETTER



OC000000016989792

Date Mailed: 09/12/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/31/2005
- Copy of the International Search Report filed on 05/31/2005
- Preliminary Amendments filed on 05/31/2005
- Request for Immediate Examination filed on 05/31/2005
- U.S. Basic National Fees filed on 05/31/2005
- Priority Documents filed on 05/31/2005
- Specification filed on 05/31/2005
- Claims filed on 05/31/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

• \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

LAMONT M HUNTER

Telephone: (703) 308-9140 EXT 201

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/537,258 | PCT/GB03/05239 | 0380-P03627US0 |